

**INTEGRATED CIRCUIT PACKAGE INCLUDING INTERCONNECTION
POSTS FOR MULTIPLE ELECTRICAL CONNECTIONS**

Thomas P. Glenn

Steven Webster

5 **ABSTRACT**

Integrated circuit packages including interconnection posts with multiple metal terminals are disclosed. An exemplary package includes a molded plastic body with integral plastic posts extending from the body. Each post is coated with a plurality of electrically separate metal terminals. The metal terminals extend from a surface of the
10 body, along a sidewall of a respective post, to an end of the post. An integrated circuit is mounted on the body. Conductive paths, which may include vias through the body, electrically couple different bond pads of the integrated circuit to the metal terminals of the posts. In some embodiments, posts on opposing sides of the plastic body enable stacking, and electrical coupling, of two or more packages. The metal terminals of posts
15 of the lower package may be engaged with the metal terminals of corresponding posts on a mounting substrate.